communication between the host unit and the one or more additional host units; and

generating a floor plan for the building based on the determined distance(s) from the host unit to the one or more additional host units.

12. The method of claim **11** further comprising:

receiving and housing, by the host unit, an accessory,

wherein the host unit is coupled to an electrical source and couples electrical power from the electrical source to the accessory in response to the accessory being received and housed by the host unit.

13. The method of claim **12** further comprising:

gating the electrical power from the electrical source to the accessory by:

coupling the electrical power from the electrical source to the accessory in response to determining that the accessory is communicatively coupled to the host unit; and

decoupling the electrical power from the electrical source to the accessory in response to determining that the accessory is communicatively decoupled to the host unit.

14. The method of claim **12** wherein coupling the electrical power from the electrical source to the accessory is performed further in response to determining that the accessory has been authenticated via the host unit.

15. The method of claim **11** wherein determining the distance is performed using one of an ultra-wide band (UWB), radar, ultrasonic, or IEEE 802 communication protocols.

16. The method of claim **11** further comprising:

receiving orientation data from the host unit and the one or more additional host units; and

determining a physical orientation of the host unit and the one or more additional host units based on the orientation data,

wherein generating a floor plan for the building is further based on the determined physical orientations of the host unit and the determined physical orientations one or more additional host units.

17. The method of claim **16** wherein each of the host unit and the one or more additional host units include:

a magnetometer operating as a compass; and

an accelerometer configured to detect an orientation of the host unit relative to a direction provided by the magnetometer,

wherein the orientation data includes the data received from the magnetometer and the accelerometer.

18. The method of claim **16** wherein each of the host unit and the one or more additional host units include:

a multi-antenna array configured to send and receive communication data from multi-antenna arrays of the one or more additional host units, wherein the orientation of the host unit is based on a phase angle of arrival of the communication data from the one or more additional host units,

wherein the orientation data includes the data received from the multi-antenna array.

19. A system comprising:

one or more processors;

a host unit configured to be coupled to a support structure of a building and configured to:

receive and house an accessory; and

electrically couple to an electrical source,

the host unit including:

a power gating module, controlled by the one or more processors, and configured to couple electrical power from the electrical source to the accessory; and

a communication module, controlled by the one or more processors, and configured to communicate with one or more additional host units installed in the building, wherein the communication module communicates by sending or receiving communication data with the one more additional host units,

wherein the communication data is configured to cause the one or more processors to:

determine a distance between the host unit and each of the one or more additional host units based on the communication with the one or more additional host units; and

determine a floor plan of the building based at least on the distance from the host unit to each of the one or more additional host units.

20. The system of claim **19** further comprising:

a self-orientation module, controlled by the one or more processors, and configured to determine an orientation of the host unit,

wherein the one or more processors further determine the floor plan of the building based on the orientation of the host unit.

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